# **Force Sensor**



Improved from standard membrane force sensors, ALPHA's new proprietary design will yield greater resolution under high-pressure ranges and enhance the overall sensitivity for fitness wearable products.

#### Features

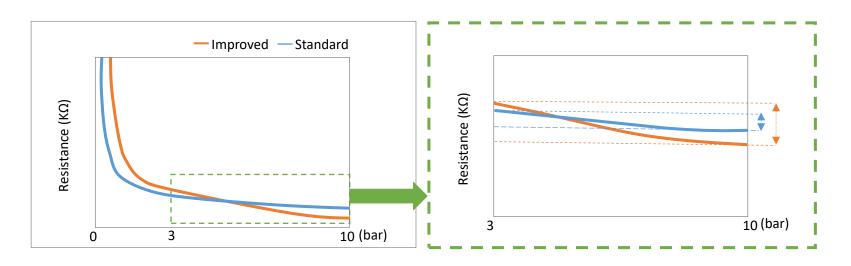
- Ultra-thin
- Flexible and sealed properties
- Customization available
- Improved resolution under high- pressure



## **Specification**

PRESSURE SENSITIVITY RANGE	0.3 bar $\sim$ 10 bar
FORCE REPEATABILITY (SINGLE PART)	±5%
FORCE REPEATABILITY (PART TO PART)	±20%
FORCE RESOLUTION	Continuous (Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20MΩ
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	>1 Million

### **Pressure-Resistance Curve comparison**



#### TAIWAN ALPHA ELECTRONIC

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